

Product datasheet for PH306551

Cadherin 16 (CDH16) (NM_004062) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDH16 MS Standard C13 and N15-labeled recombinant protein (NP_004053)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206551
Predicted MW:	89.92 kDa
Protein Sequence:	>RC206551 representing NM_004062 Red=Cloning site Green=Tags(s)

MVPAWLWLLCVSVPQALPKAQPALSVVEPENYGGNFPLYLTKLPLPREGAEGQIVLSGDSGKATEGPFA
MDPDSGFLLVTRALDREEQAEYQLQVTLEMQDGHVLWGPQPVLVHVKDENDQVPHFSQAIYRRLSRGTR
PGIPFLFLEASDRDEPGTANSDLRFHILSQAPAQSPDMFQLEPRLGALALSPKGSTSLDHALERTYQLL
VQVKMDGDAQSGHQATATVEVSIESTWVSLEPIHLAENLKVLYPHHMAQVHWSGGDVHYHLESHPPGPF
EVNAEGLYVTRELDREAQAEYLLQVRAQNSHGEDIAAPLELHVLVMDENDNVPICPPRDPTVSIPELSP
PGTEVTRLAEDADAPGSPNSHVVYQLLSPEPEDGVEGRAQVQDPTSGSVTLGVLPLRAGQNILLVLAM
DLAGAEGGFSSTCEVEVAVTDINDHAPEFITSQIGPISLPEDVEPGTLVAMLTAIDADLEPAFRLMDFAI
ERGDTEGTFLDWEPDSGHVRLRLCKNLSYEAAPSHEVVVVQSVAKLVGPGPGATATVTVLVERVMP
PPKLDQESYEASVPI SAPAGSFLITIQSDPISRTLRFSLVNDSEGWLCEKFSGEVHTAQLQGAQPGD
TYTVLVEAQDDEPRLSASAPLVHFLKAPPAPALTAPVPSQYLCTPRQDHGLIVSGPSKDPDLASGHG
PYSFTLGPNTVQRDWRQLQTLNGSHAYLTALHWVEPREHIIPVVVSHNAQMWQLLVRVIVCRCNVEGQC
MRKVGRMKGMPTKLSAVGILVGTLVAGIFLILIFTHWTMSRKKDPDQPADSVPLKATV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004053</u>



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RefSeq Size: 2833

RefSeq ORF: 2487

Locus ID: 1014

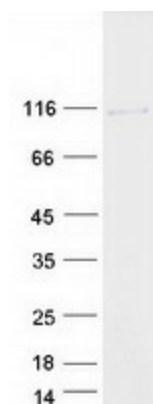
UniProt ID: [O75309](#)

Cytogenetics: 16q22.1

Summary: This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chromosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 and CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2011]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified CDH16 protein (Cat# [TP306551]). The protein was produced from HEK293T cells transfected with CDH16 cDNA clone (Cat# [RC206551]) using MegaTran 2.0 (Cat# [TT210002]).